ngyysako daskok

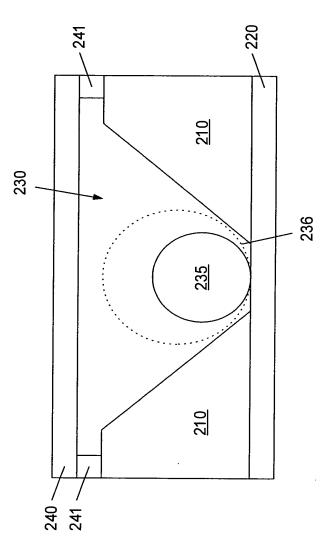
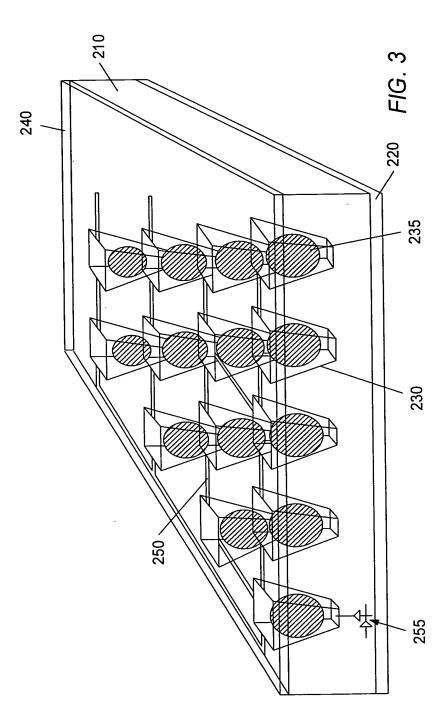


FIG. 2





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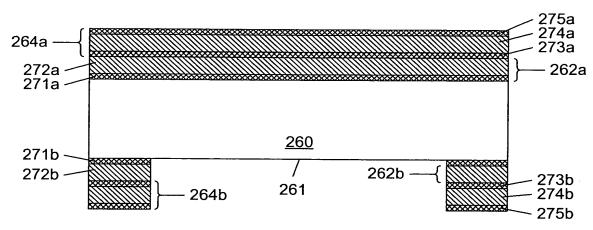


FIG. 4A

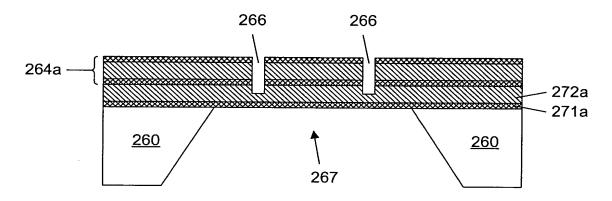


FIG. 4B

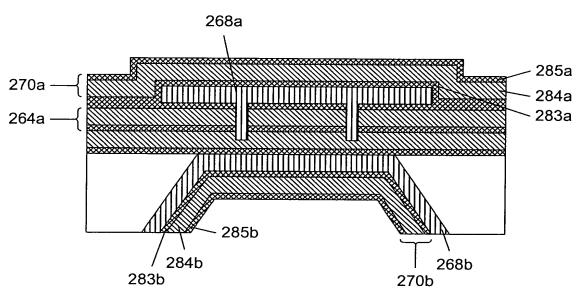


FIG. 4C

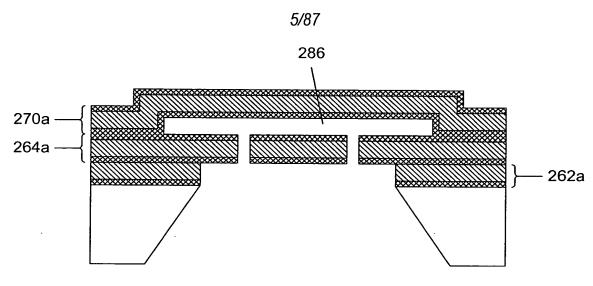


FIG. 4D

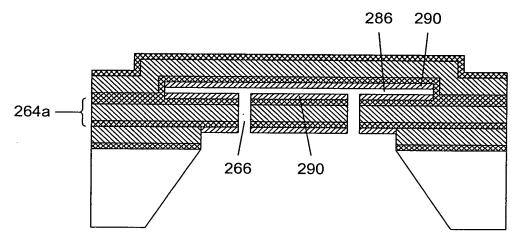


FIG. 4E

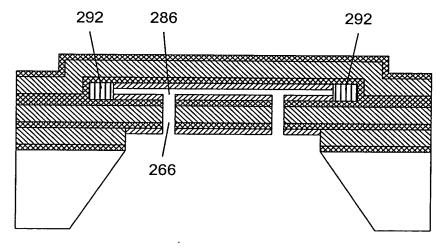


FIG. 4F



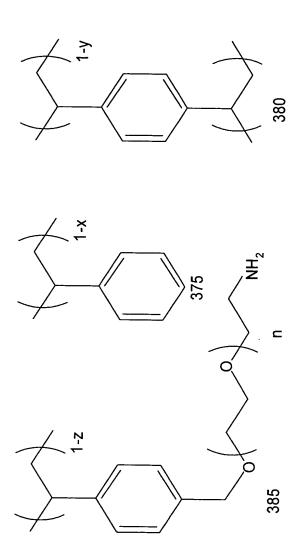


FIG 5

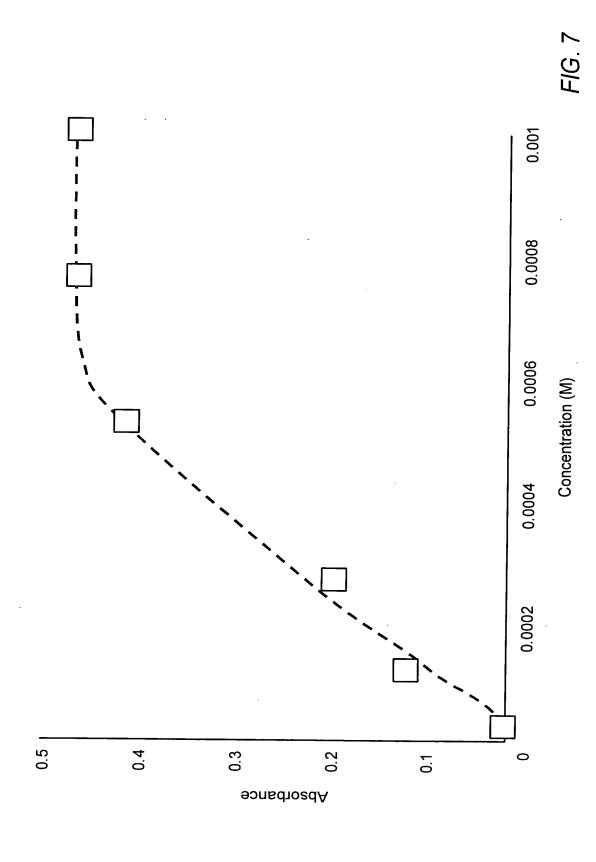
alizarin complexone

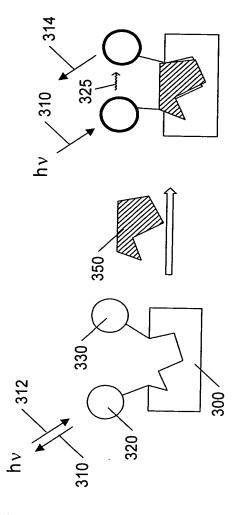
5-carboxy fluorescein

o-cresolphthalein complexone

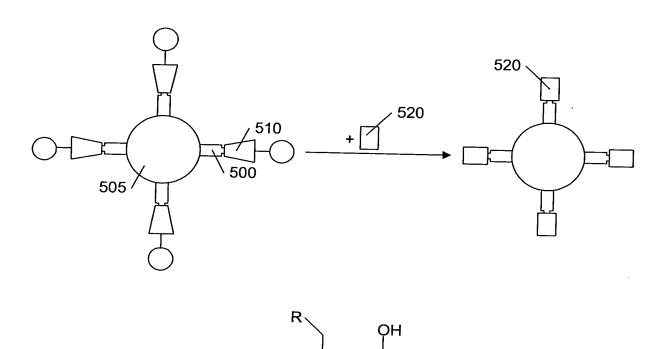
FIG. 6







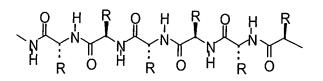
F/G. 8



-OH

500

FIG. 9

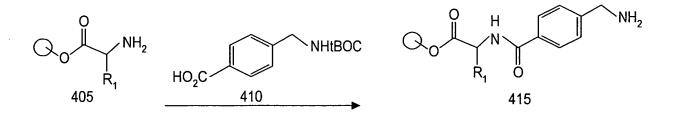


Peptides

Nucleotides

FIG. 10





$$\begin{array}{c|c} H_2N-R_2-NHtBOC \\\hline 420 \\\hline \end{array}$$

FIG. 11

$$NH_2$$
 H_2
 H_2
 H_3
 H_4
 H_4

FIG. 12

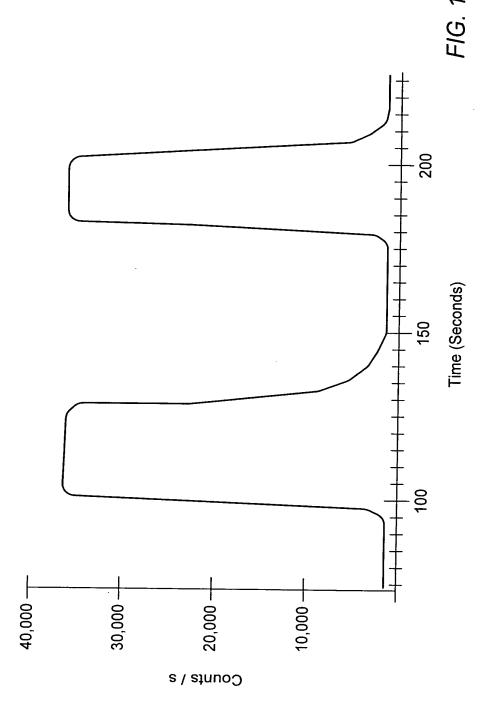
tBOCNH
$$CO_2H$$
 BH_3 THF R $A50$ $A52$ $PPH_3 / DEAD$ CH_2NH_2 R $A54$ $A56$

FIG. 13

HO
$$CO_2H$$
 CO_2H
 C

$$H_2N$$
 O
 CO_2H
 H_2N
 NH_2
 475

FIG. 14







RESIN: 0-Cresol- Alizaria						1
рН	lon	Blank	Alizarin	o-Cresol- phthalein	Fluorescein	Alizarin-Ce ³⁺ complex
2	none	R G B	R G B	R G B	R G B	R G B
2	Ca ²⁺	R G B	R G B	R G B	R G B	R G B
7	none	R G B	R G B	R G B	R G B	R G B
7	Ca ²⁺	ж. ж	R G B	R G B	R G B	R G B
7	F -	R G B	R G B	R G B	R G B	R G B
12	none	R G B	R G B	R G B	R G B	R G B
12	Ca ²⁺	R G B	R G B	R G SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	R G B	R G B
12	F -	R G B	R G B	R G B	R G	R G B

FIG. 16

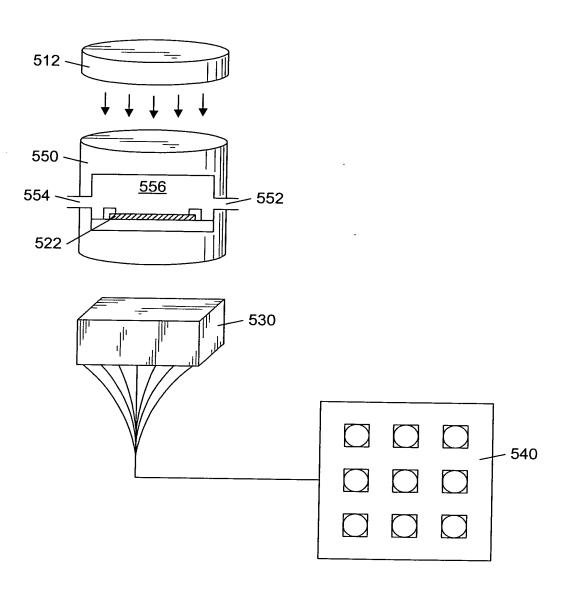


FIG. 17

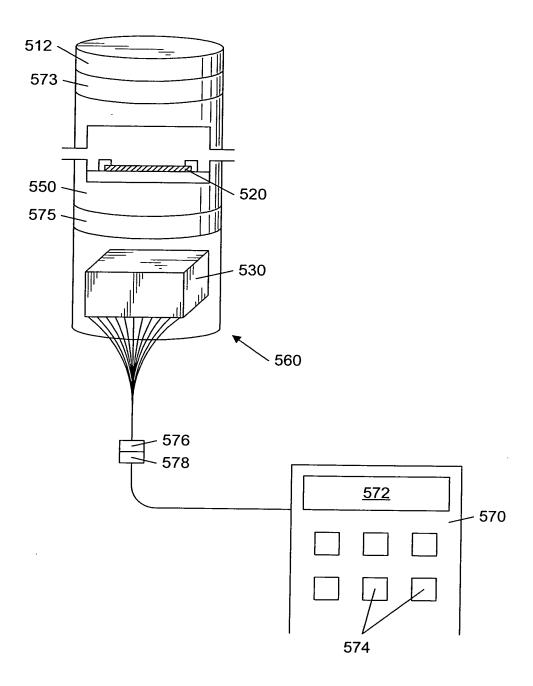
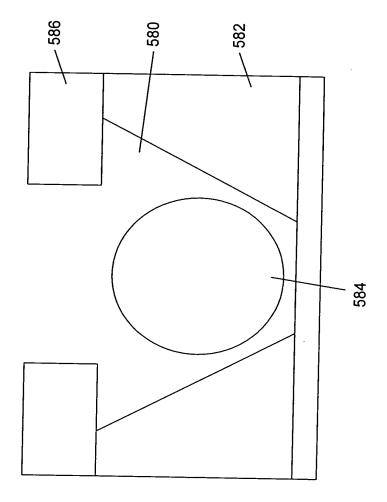
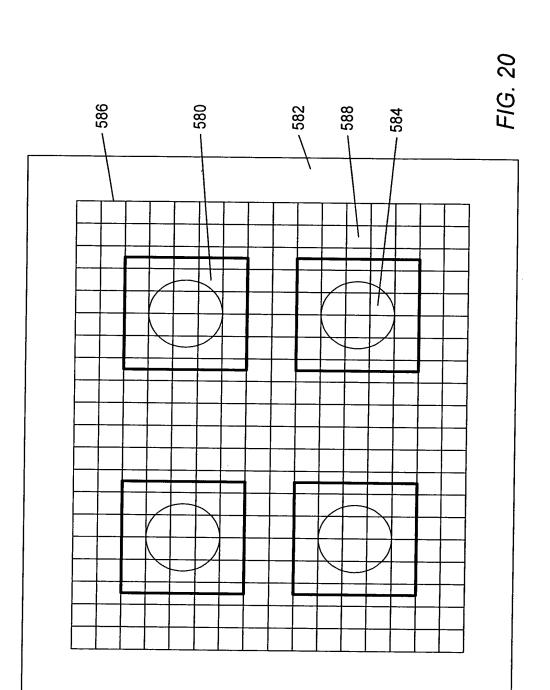


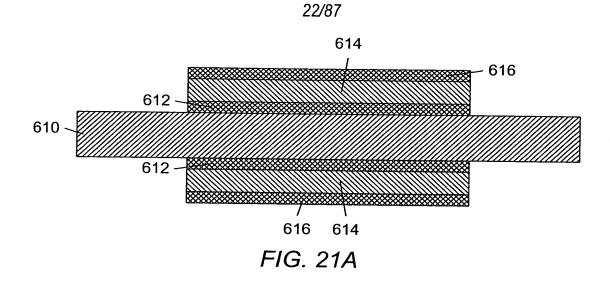
FIG. 18

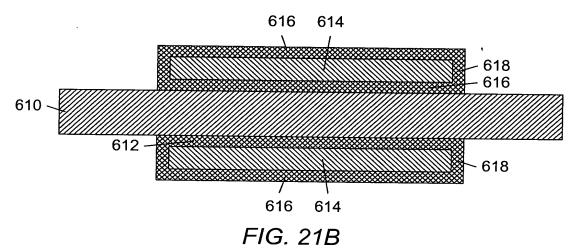


=1G. 19



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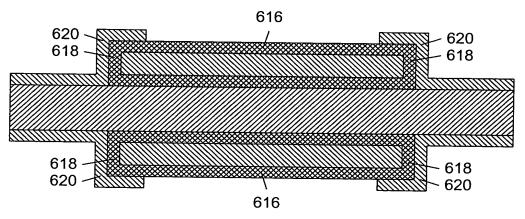


FIG. 21C

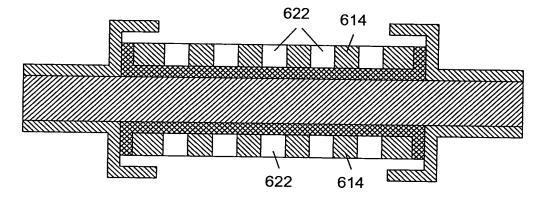
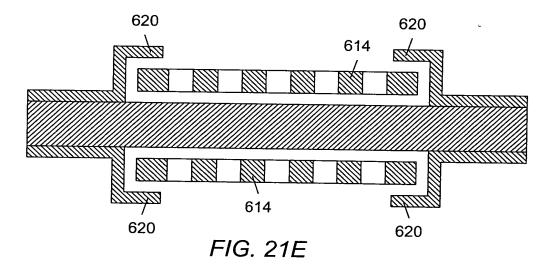


FIG. 21D



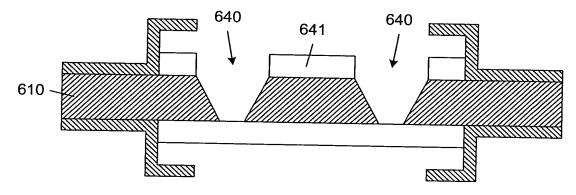


FIG. 21F

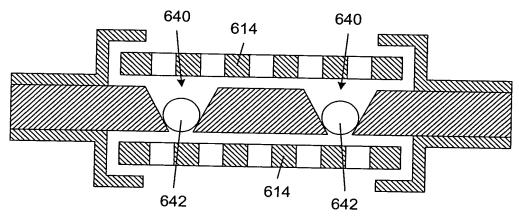
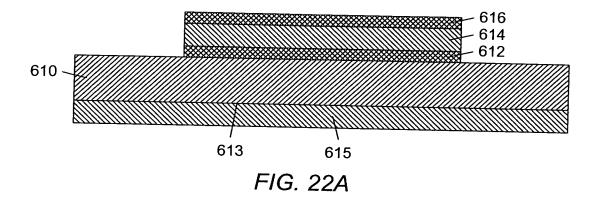


FIG. 21G



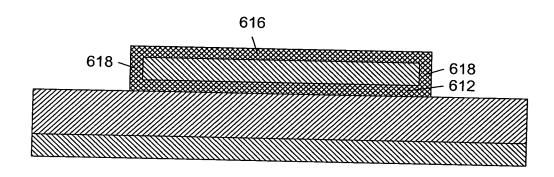


FIG. 22B

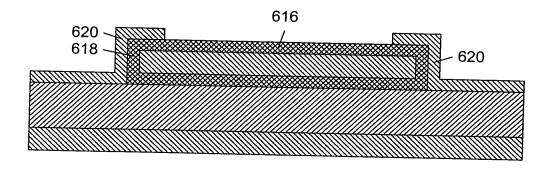
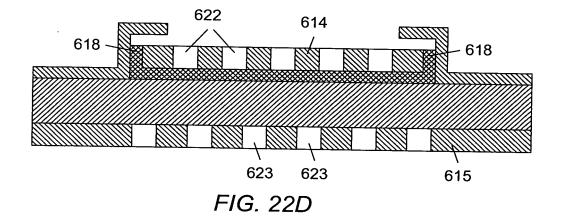


FIG. 22C



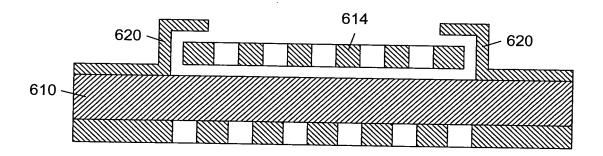


FIG. 22E

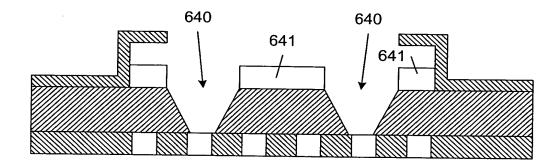


FIG. 22F

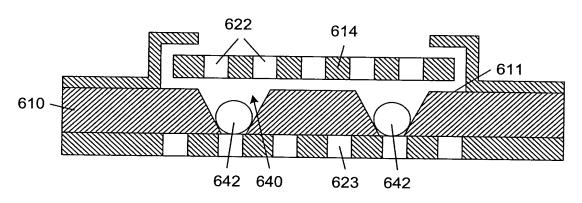


FIG. 22G

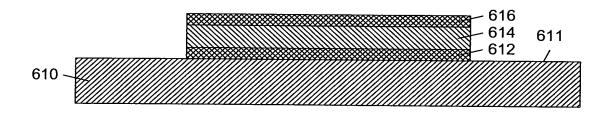


FIG. 23A

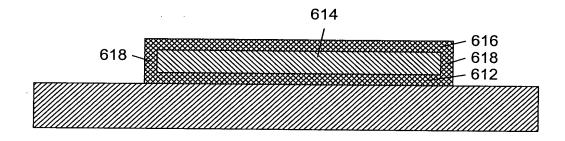


FIG. 23B

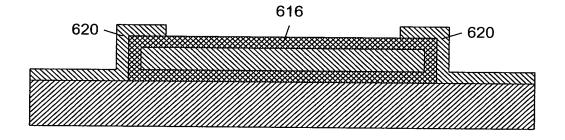


FIG. 23C

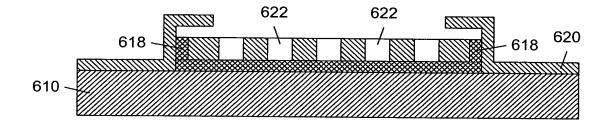


FIG. 23D

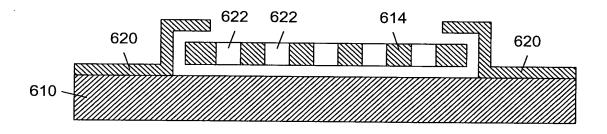


FIG. 23E

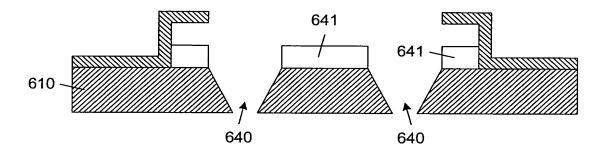


FIG. 23F

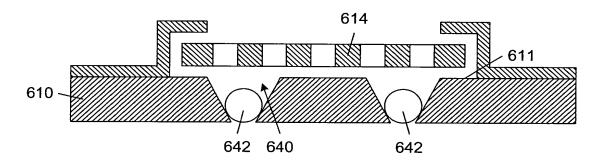


FIG. 23G

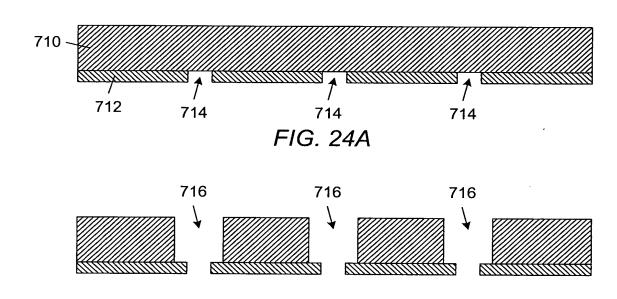


FIG. 24B

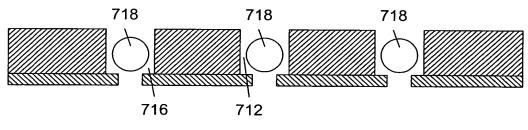


FIG. 24C

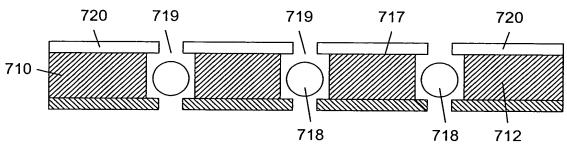


FIG. 24D

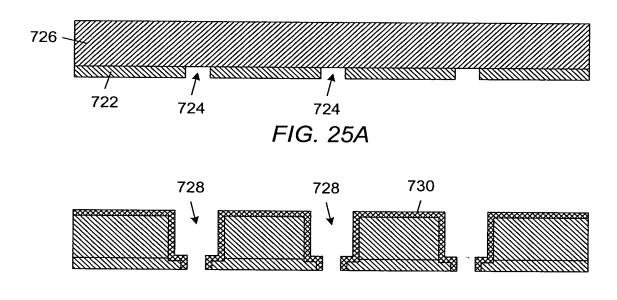


FIG. 25B

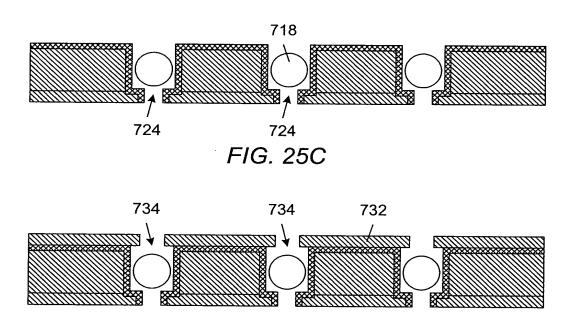


FIG. 25D

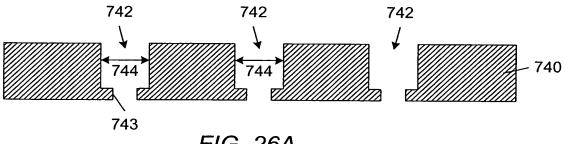


FIG. 26A

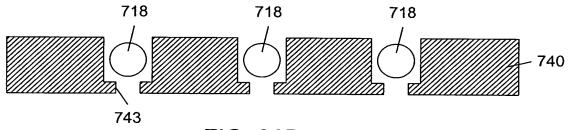


FIG. 26B

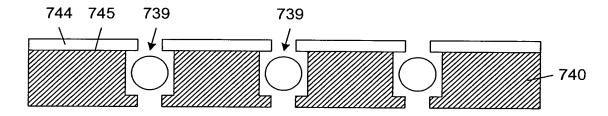
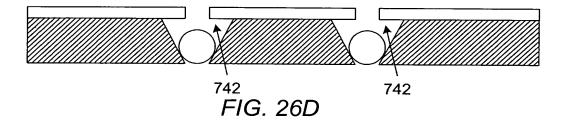
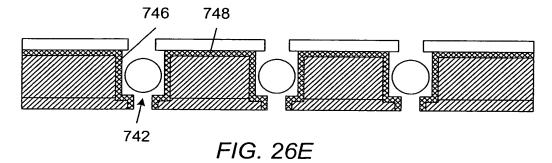


FIG. 26C





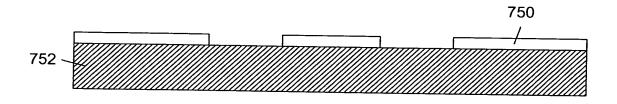


FIG. 27A

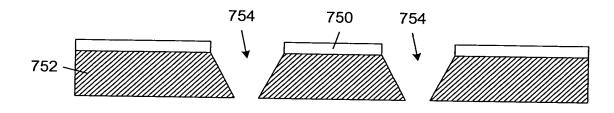


FIG. 27B

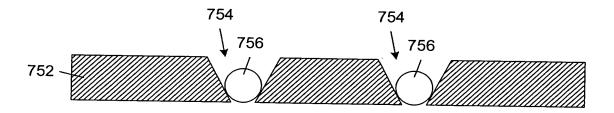
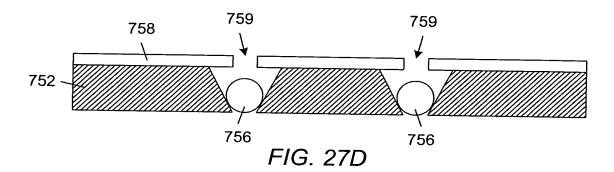
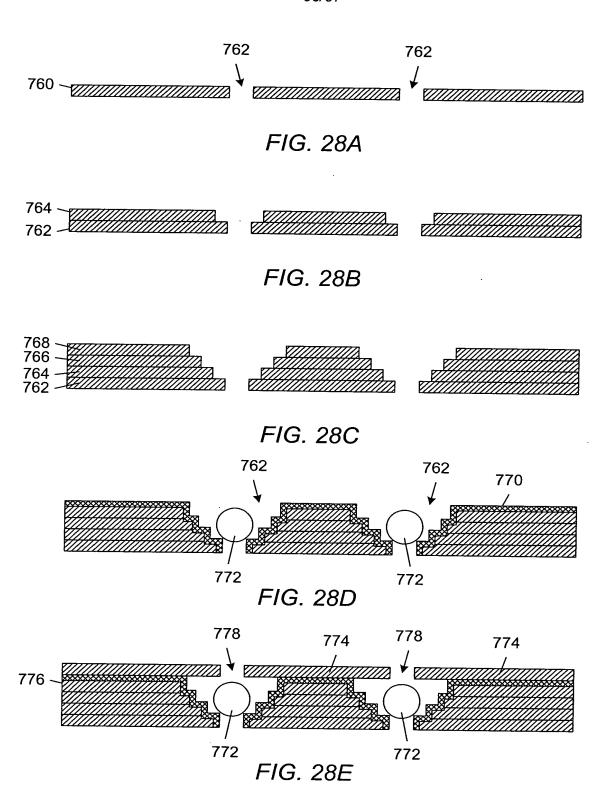


FIG. 27C





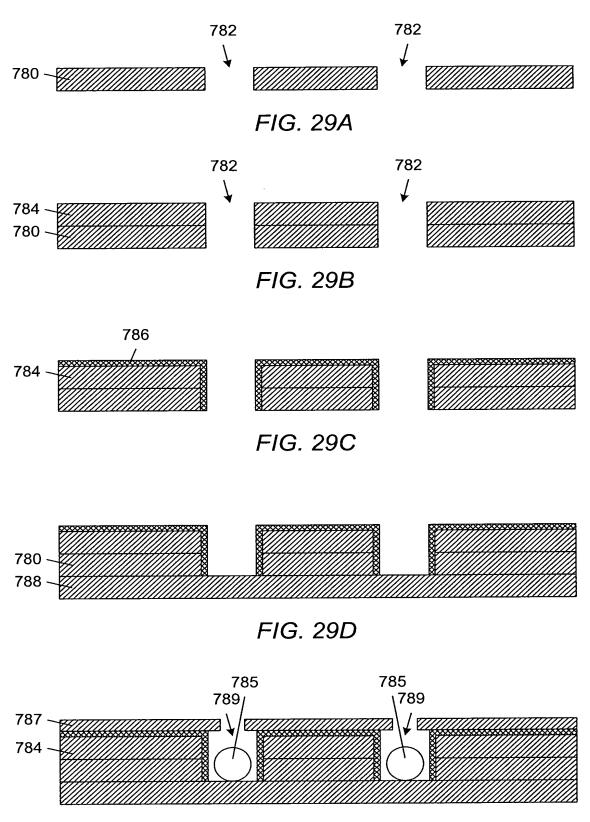


FIG. 29E

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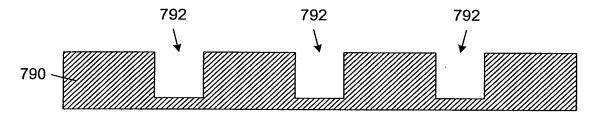


FIG. 30A

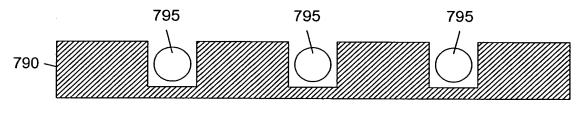


FIG. 30B

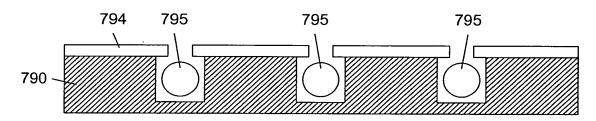


FIG. 30C

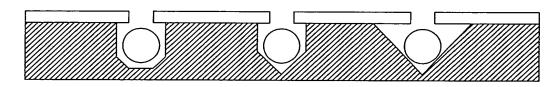
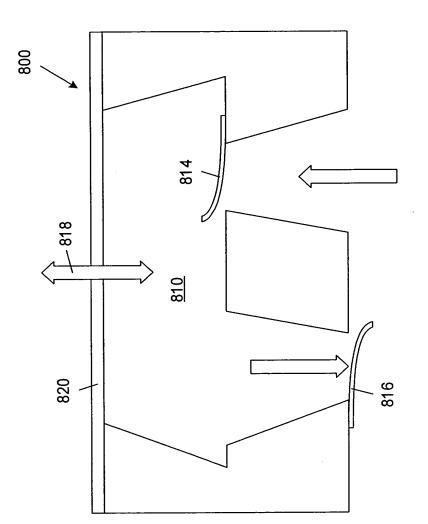
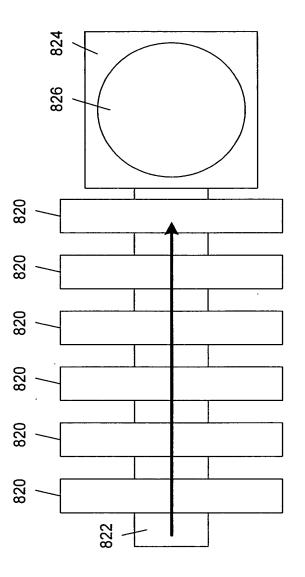


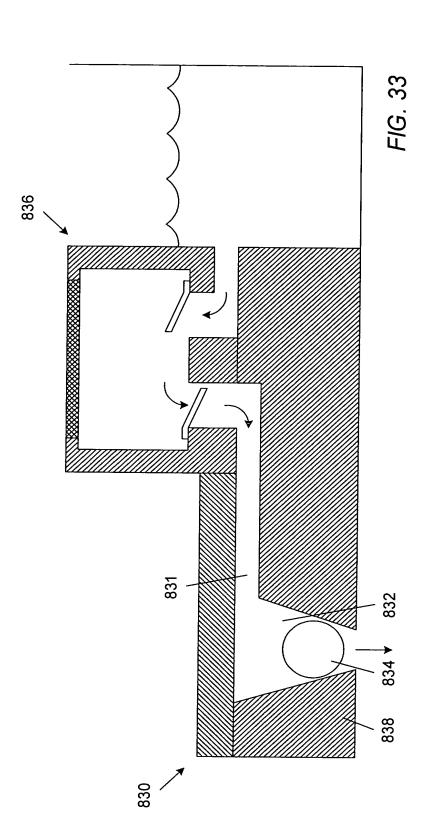
FIG. 30D



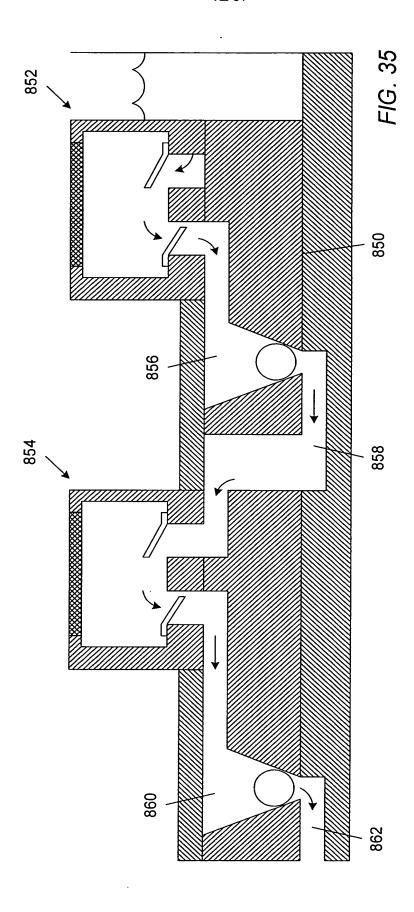
=1G. 31



=1G. 32







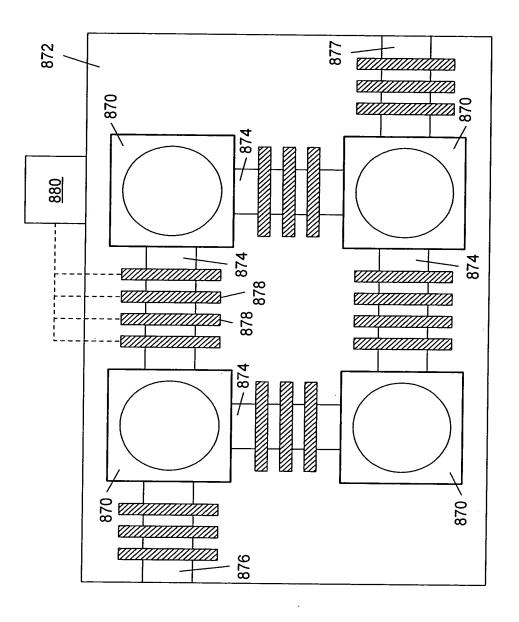
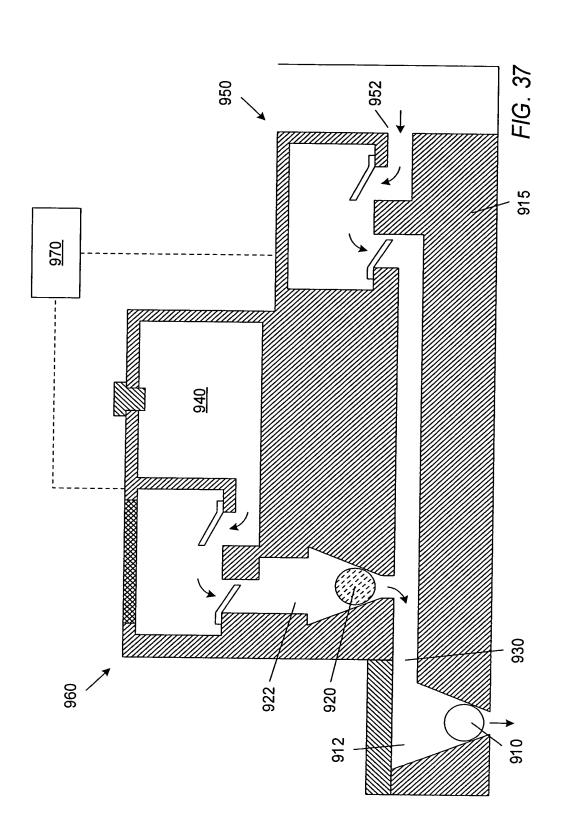
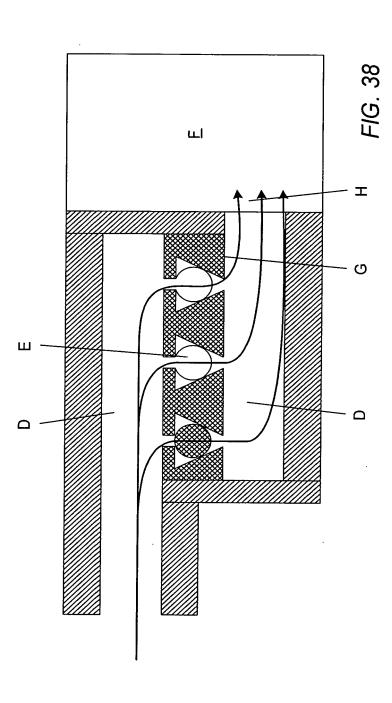
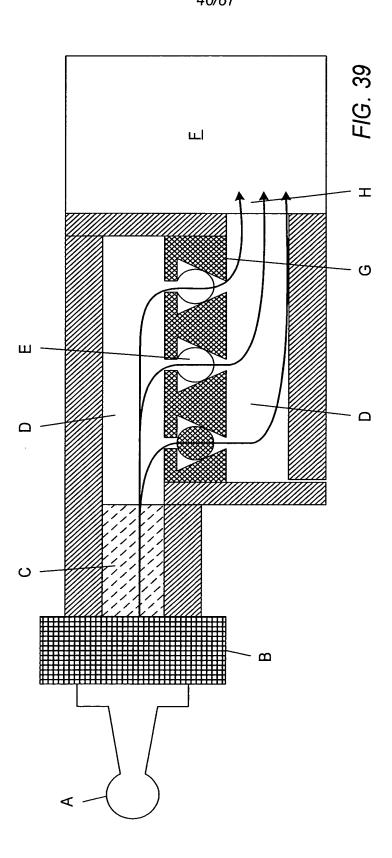


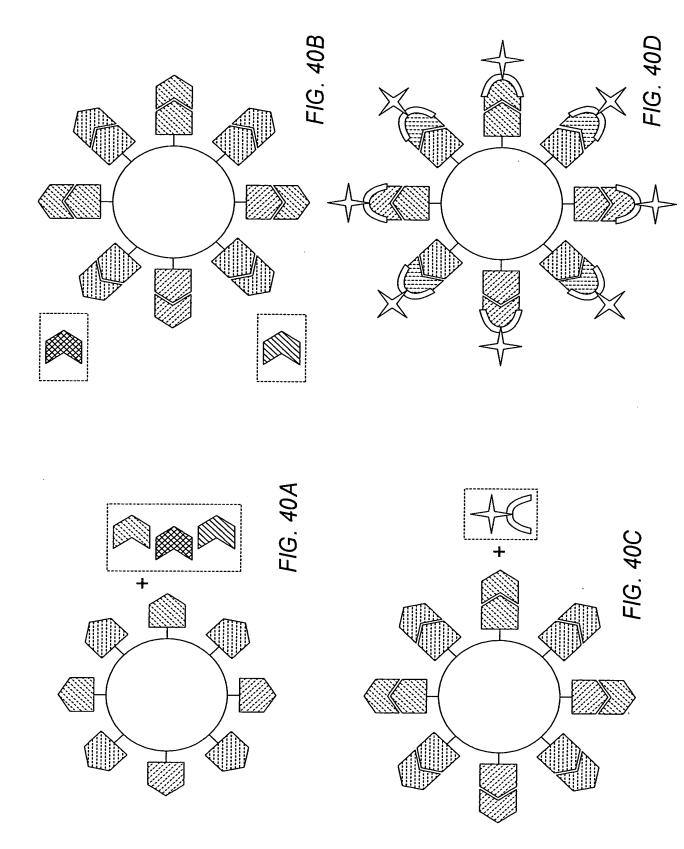
FIG. 36



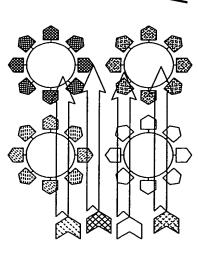


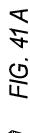


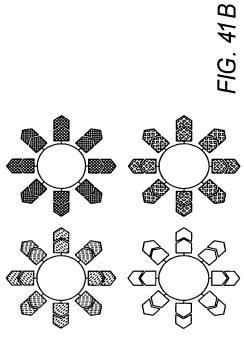


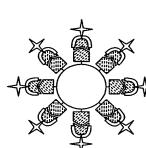


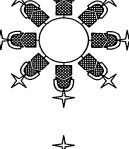
COLEBO" OHES/NGT

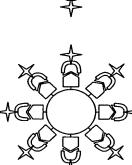


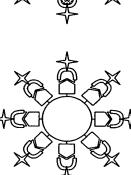


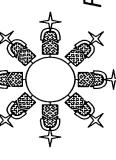


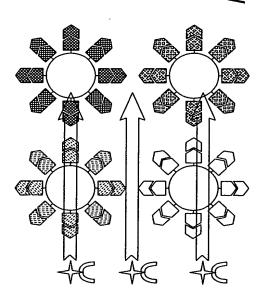


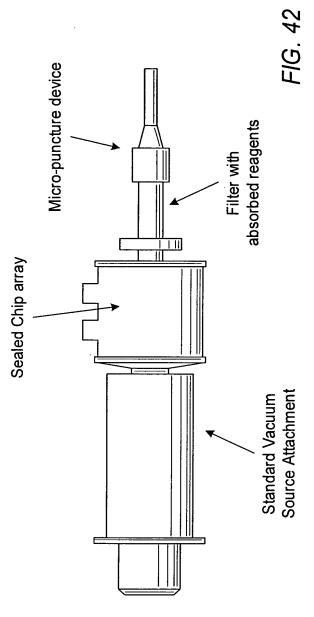




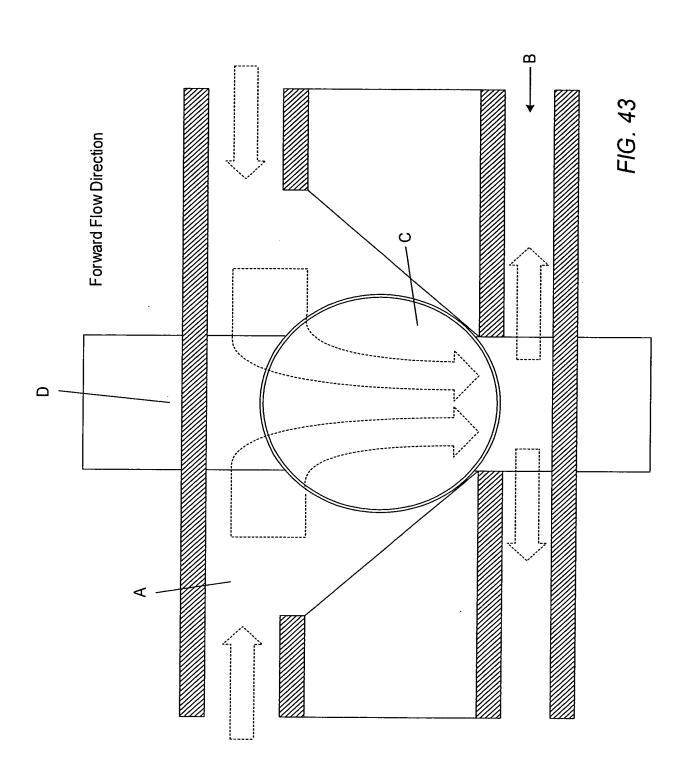


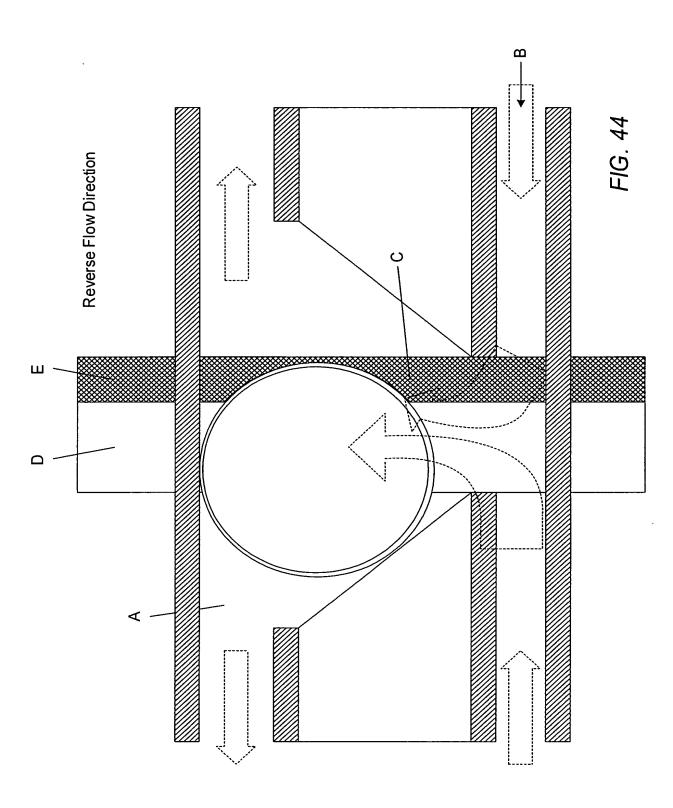














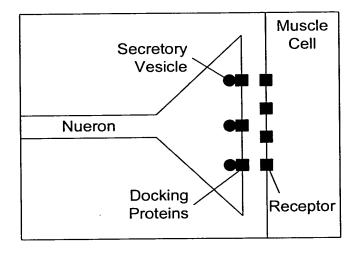


FIG. 45A

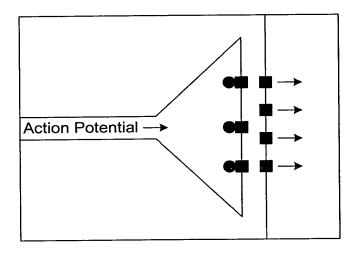


FIG. 45B

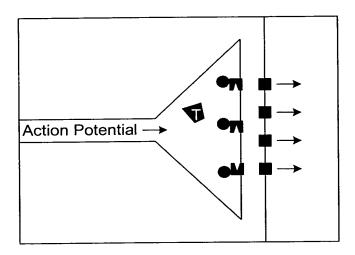


FIG. 45C

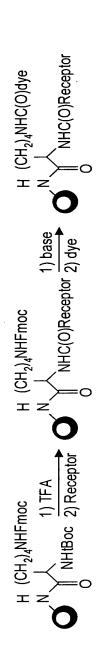
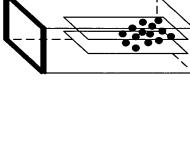


FIG. 45D



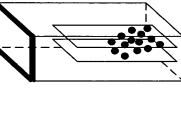
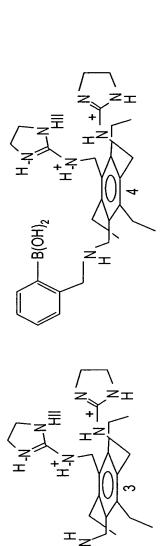


FIG. 46B

FIG. 46A



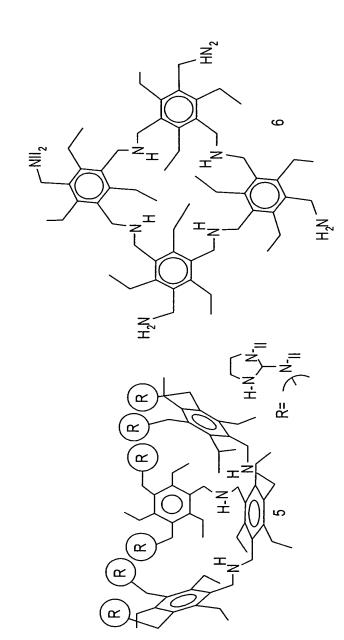
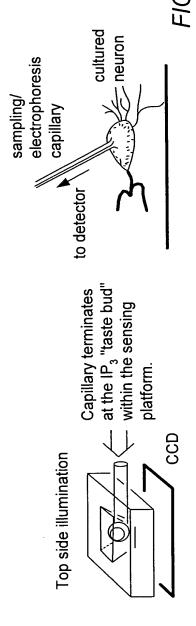


FIG. 47

FIG. 48



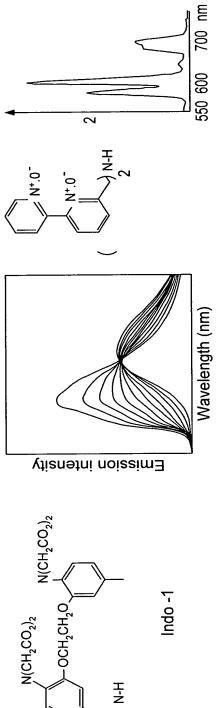
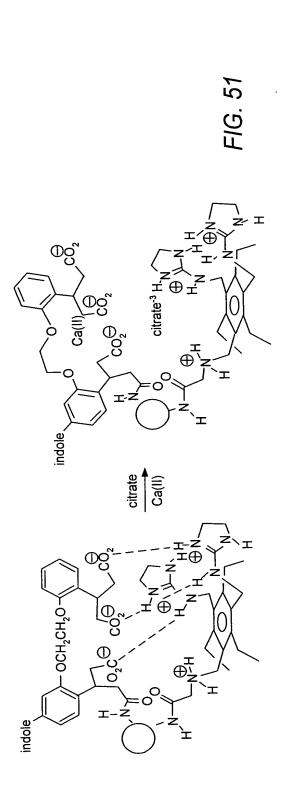
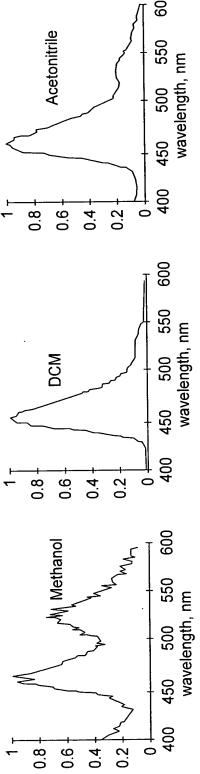


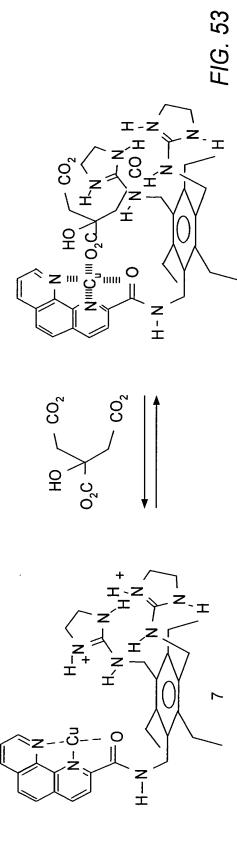
FIG. 50

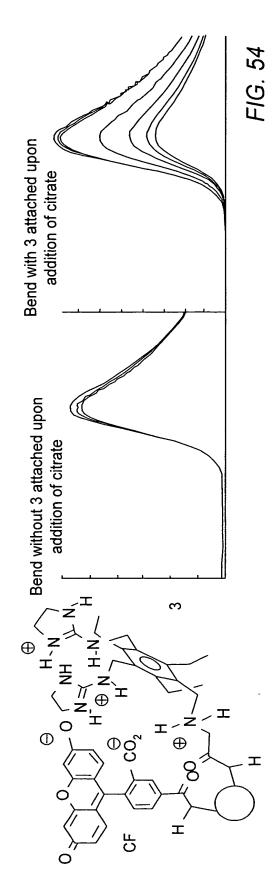


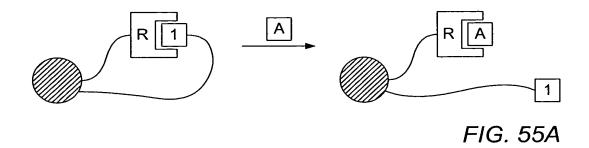


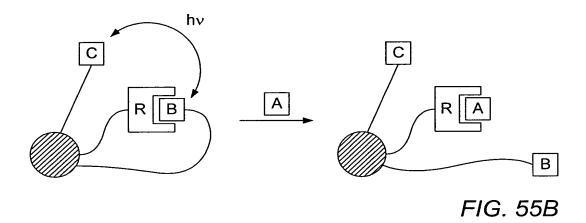
900

FIG. 52









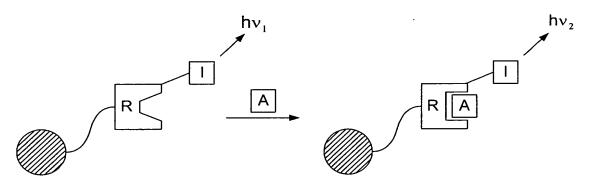


FIG. 55C

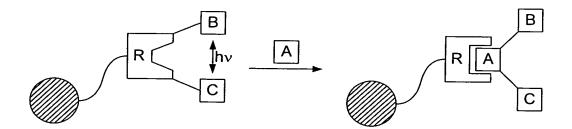
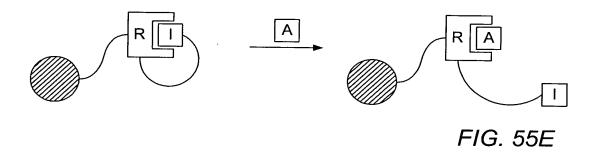
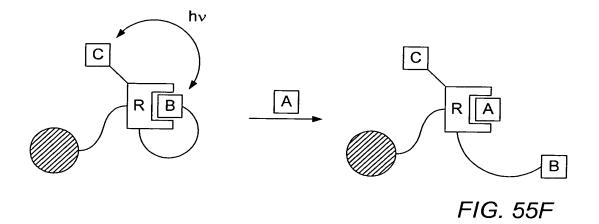
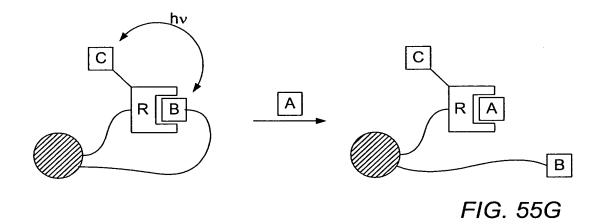
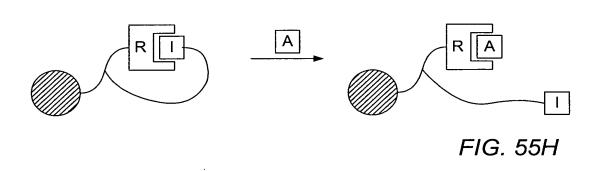


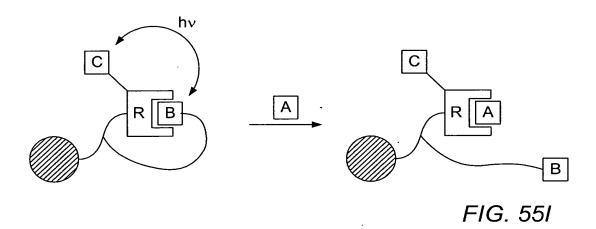
FIG. 55D











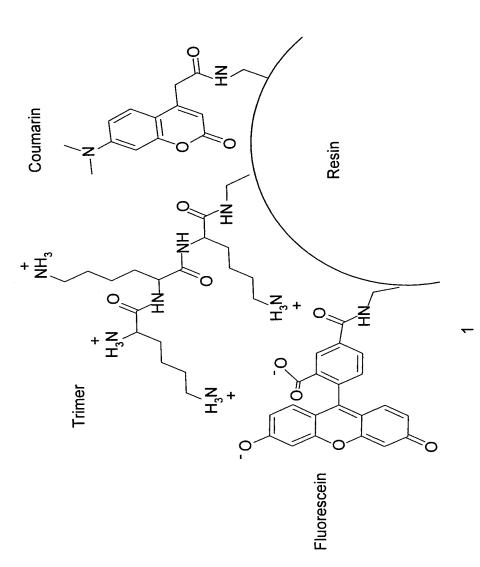
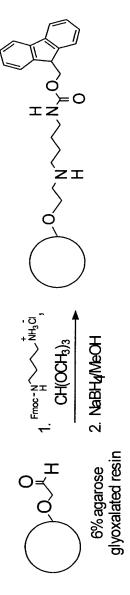


FIG. 56

DIEADMF



20% piperdine/DMF

O N

H

H

$$SR = N$$
 $SR = N$
 $SR = N$
 $SR = N$

FIG. 57

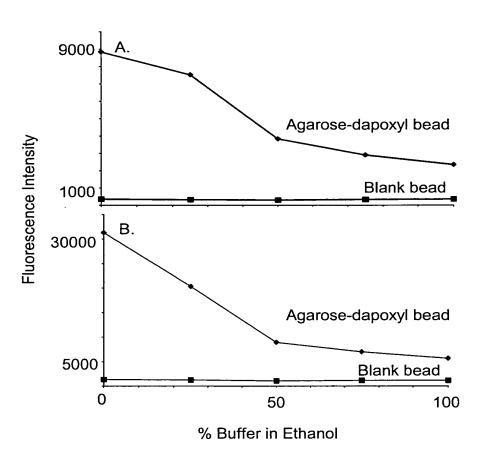


FIG. 58

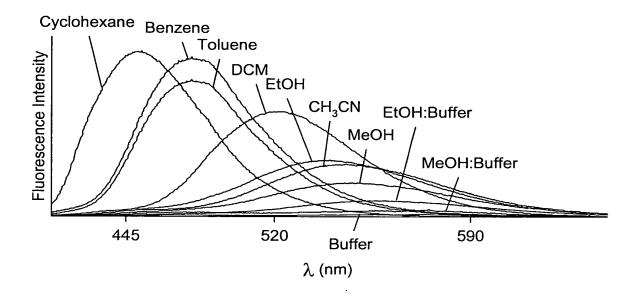
FIG. 59

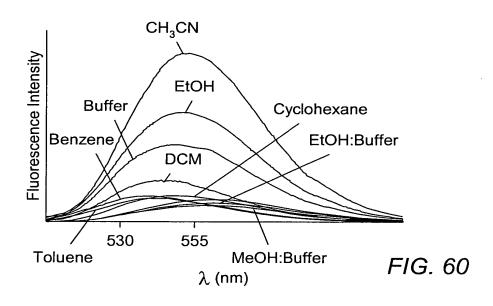
R=

7

PEG

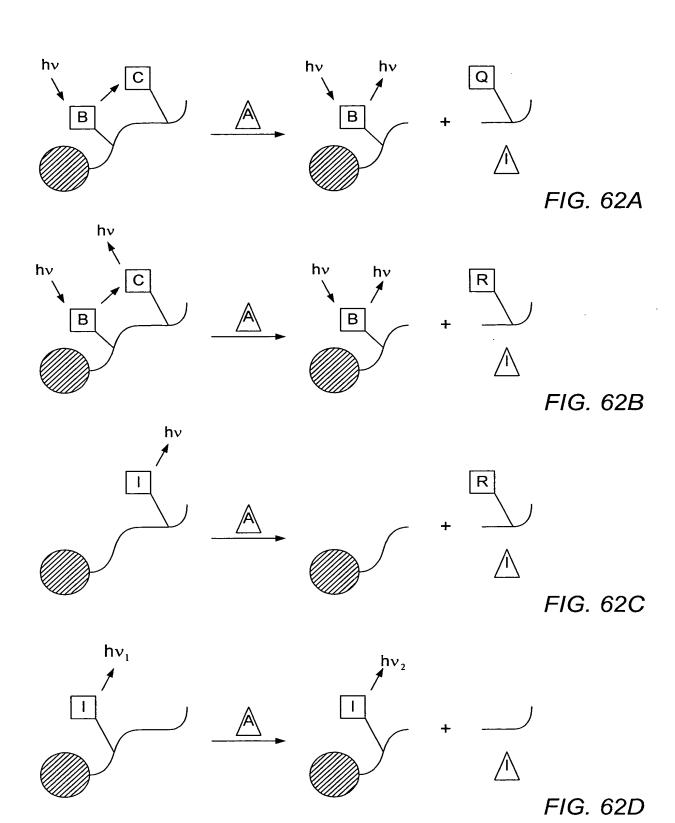
 NH_2





2:
$$X_1 = X_2 = H$$
 3: $X_1 = X_2 = O$

FIG. 61



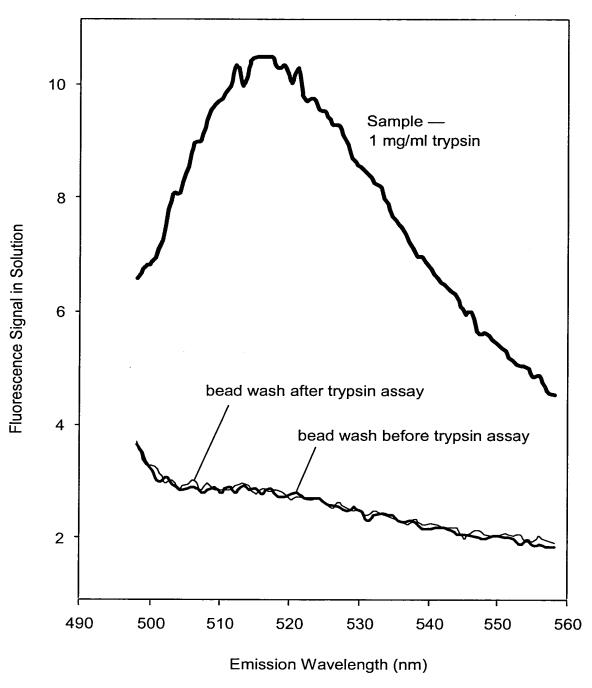
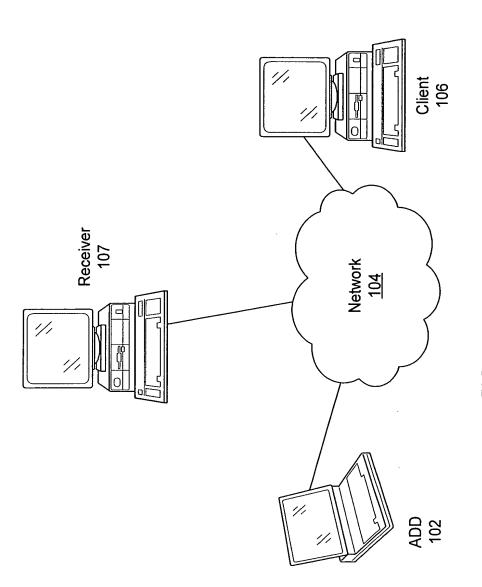


FIG. 63



=/G. 64

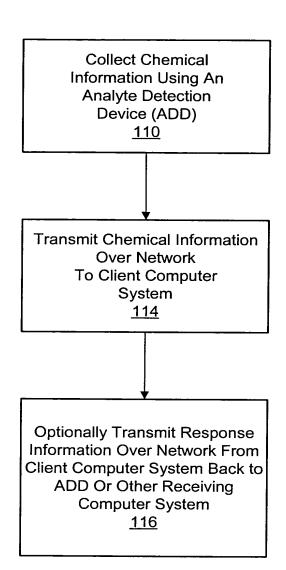
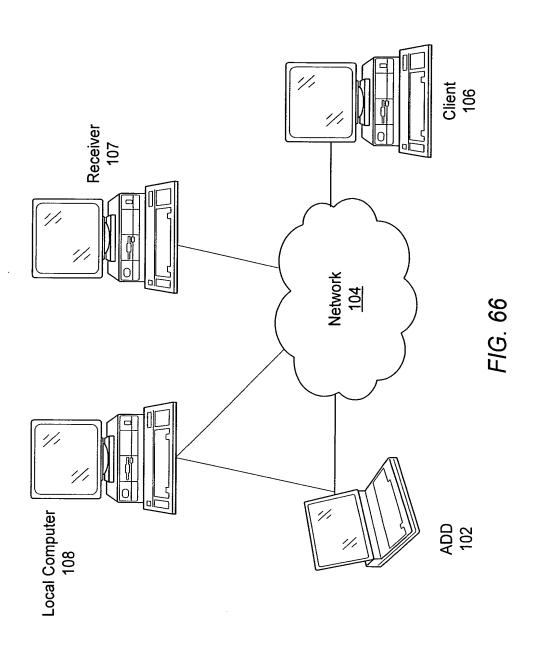


FIG. 65



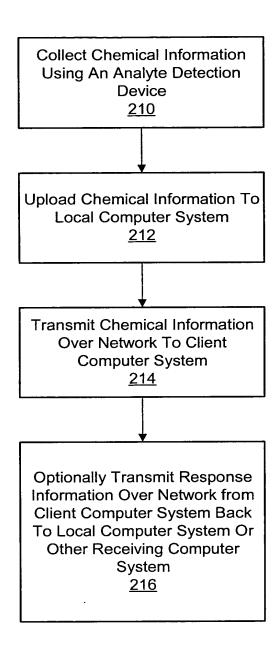
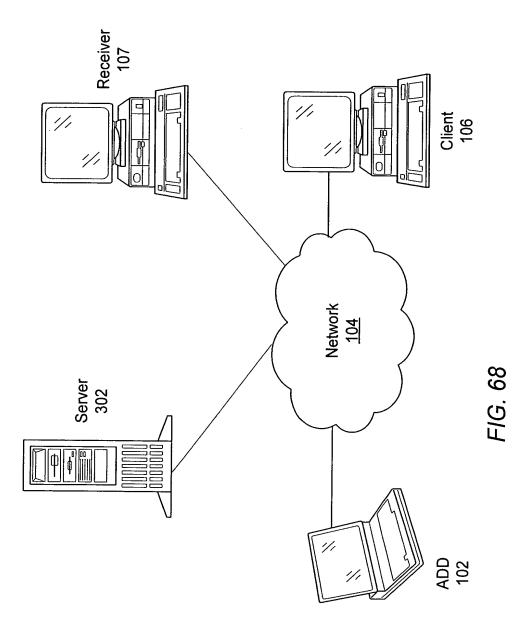


FIG. 67



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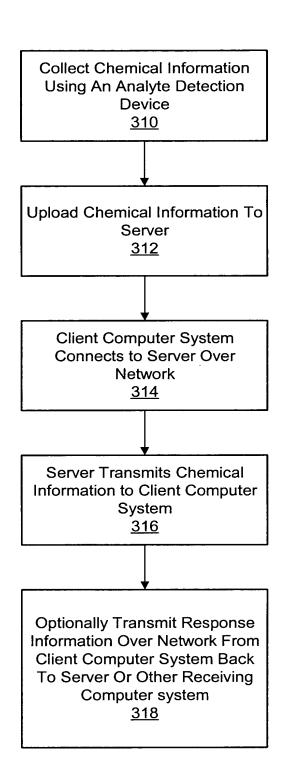


FIG. 69



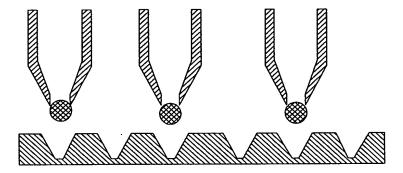


FIG. 70A

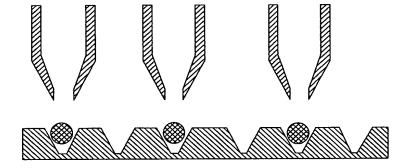


FIG. 70B

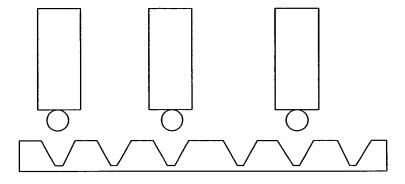


FIG. 71A

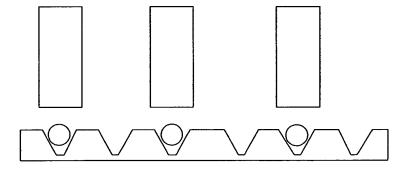


FIG. 71B

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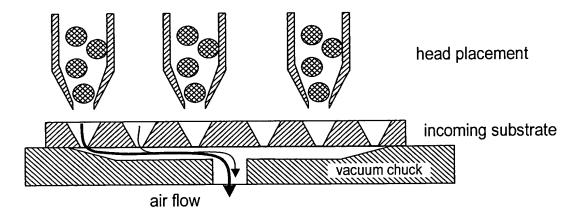


FIG. 72A

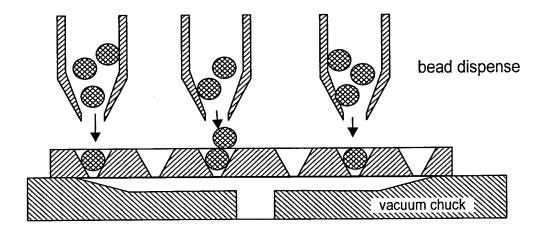


FIG. 72B

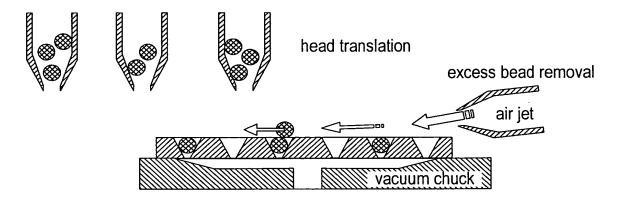


FIG. 72C

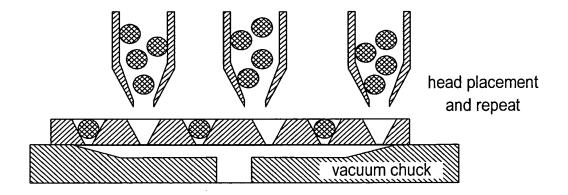


FIG. 72D



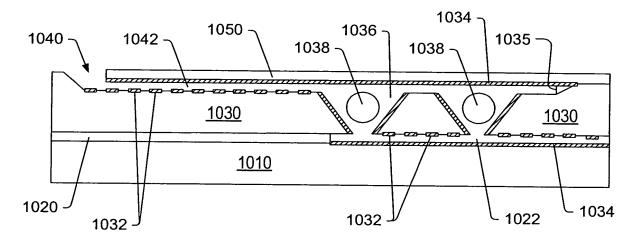


FIG. 73

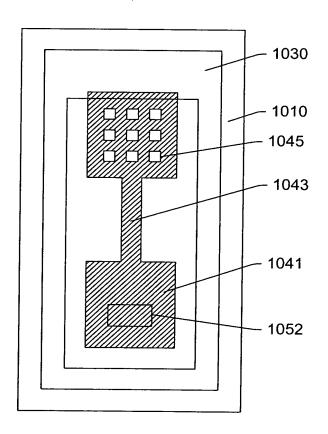


FIG. 74A

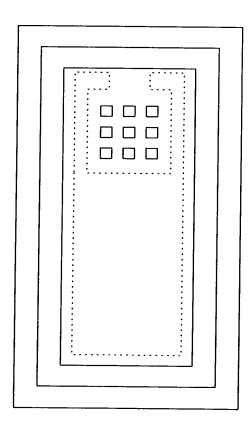
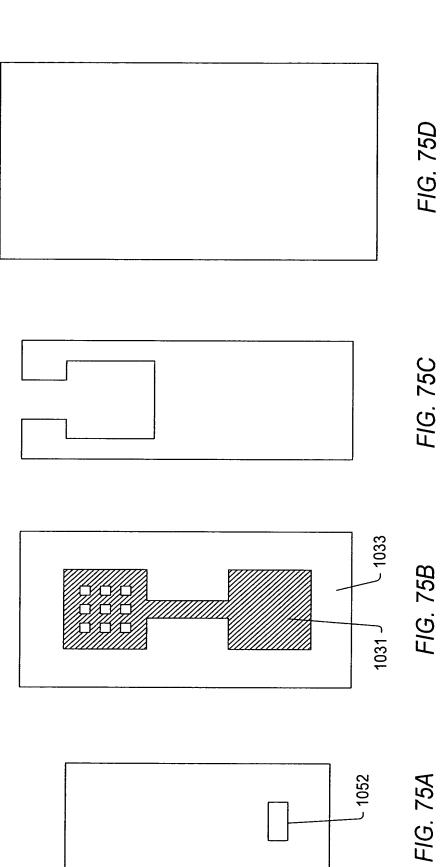


FIG. 74B



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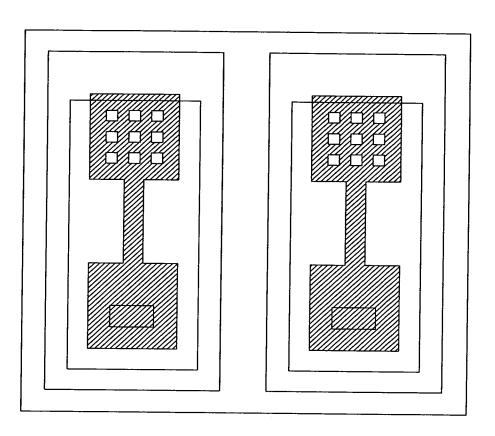
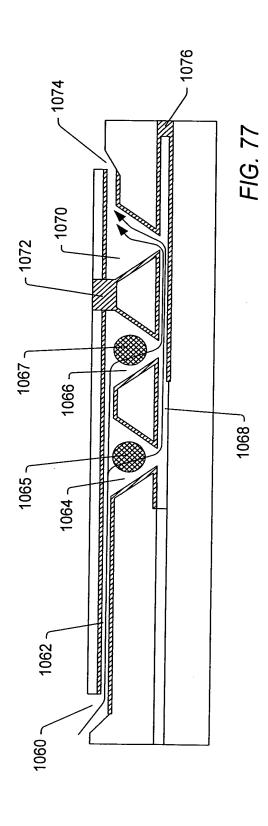


FIG. 76



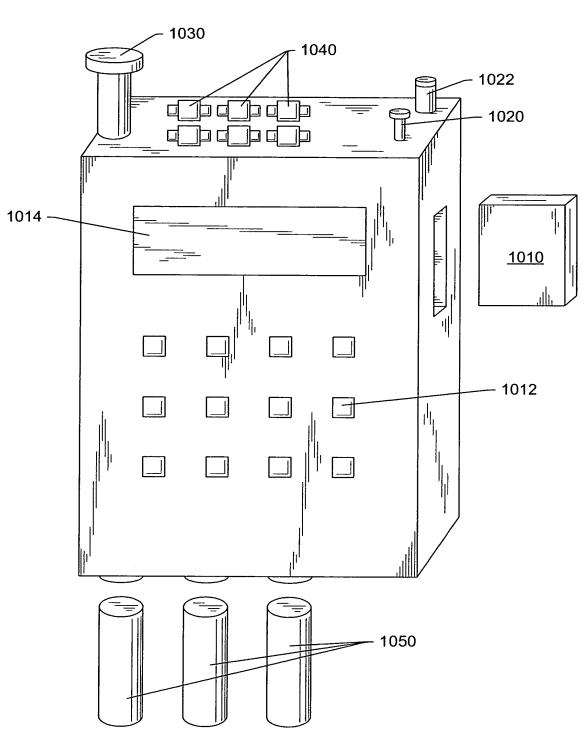
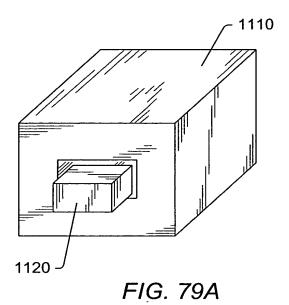


FIG. 78



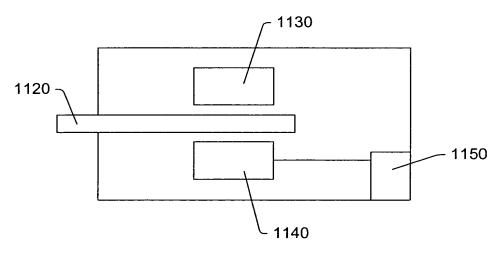
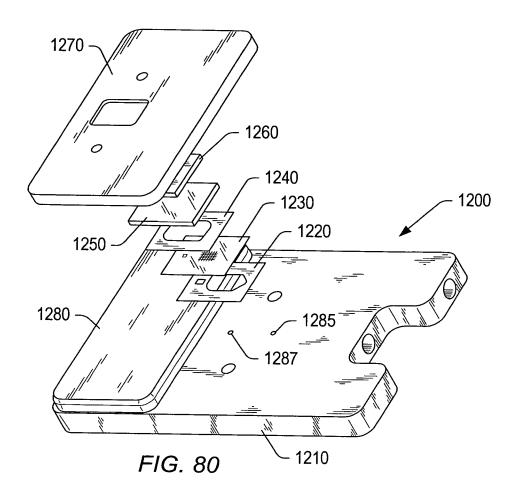
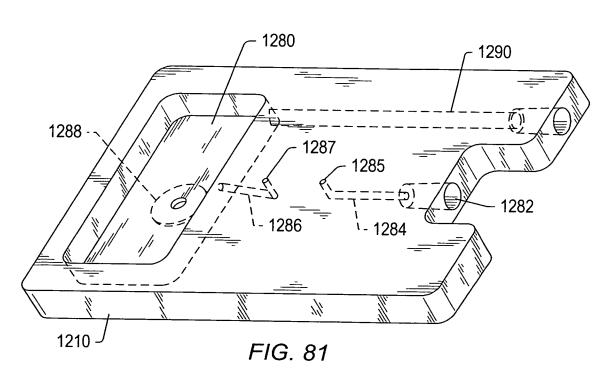


FIG. 79B









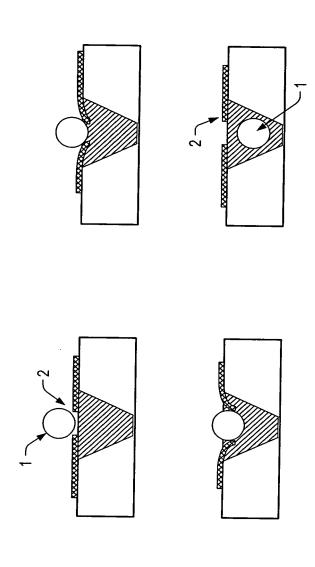


FIG. 82